

Claim Amendments

Applicant has amended claims 1-3, 7-14, 16-19, 23-26, 30-37 and 39, and has cancelled claims 4-6, 15, 20-22, 27-29, 38 and 40-60 without prejudice. Applicant sets forth below a complete listing of the claims with the corresponding status indicated for each claim.

1. (Currently Amended) A process ~~for simulating specialized print media, added materials, and/or specialized inks on a plain paper printer in a computer environment,~~ comprising:

providing a database that comprises an image associated with a spot color pattern name;

receiving a user's print job comprising the spot color pattern name;

scanning the print job for a spot color pattern;

~~providing means for adding page description language ("PDL") code to the print job to paint~~ for painting the image spot color pattern where required in the print job;

~~wherein the spot color pattern simulates any of the user's specialized print media, added materials, or specialized inks;~~

executing the page description language PDL code in the print job;

extracting the image from the database; and

sending painting the image in the print job to a printer.

2. (Currently Amended) The process of Claim 1, wherein the image spot color pattern is definable by a user.

3. (Currently Amended) The process of Claim 1, further comprising~~[[:]]~~ providing a user interface that allows a user to create, modify and/or delete the image and the spot color pattern[[s]] name.

4-6. (Cancelled).

7. (Currently Amended) The process of Claim 1, further comprising~~[[:]]~~ adding additional ~~page description language PDL~~ code to the print job to perform other

tasks that include, ~~but are not limited to,~~ mirroring or four-way mirroring to prevent stitches from appearing in the ~~printout~~ printed output.

8. (Currently Amended) A process ~~for simulating specialized print media, added materials, and/or specialized inks on a plain paper printer in a computer environment,~~ comprising:

providing a Raster Image Processor (RIP)[[:]] comprising

providing a database of spot color patterns on the RIP;

wherein the database comprises that includes a first image associated with a first spot color pattern name and image pairs, the first image adapted to simulate specialized print media;

wherein receiving a request from an application program for accesses a to the first image spot color pattern by requesting the spot color pattern from the RIP; and

wherein the RIP sends sending the requested spot color pattern first image from the RIP to the application program if the spot color pattern exists in the database;
and

wherein the spot color pattern simulates a user's specialized print media.

9. (Currently Amended) The process of Claim 8, ~~wherein the application program stores the spot color pattern~~ further comprising storing the received first image locally and uses it for further references by a user.

10. (Currently Amended) The process of Claim 8, further comprising:
receiving a request from the application program for a second image associated with a second spot color pattern name;
searching the database for the second spot color pattern name; and
if the second spot color pattern name is not found in the database, sending an image and an associated spot color pattern name from the application program to the RIP for storage in the database as the second image and the second spot color pattern name

wherein an application program queries the RIP to see if the RIP has a particular spot color pattern in its database, and wherein the application program

~~downloads the spot color pattern to the RIP if the RIP does not have the spot color pattern in its database.~~

11. (Currently Amended) The process of Claim 8, further comprising wherein an application program downloads downloading any required spot color pattern[[s]] names and associated images from the application program to the RIP when a print job is sent to the RIP to be printed.

12. (Currently Amended) The process of Claim 8, wherein the ~~spot color patterns~~ first image in the database ~~are~~ is definable by a user.

13. (Currently Amended) The process of Claim 8, further comprising[[:]] providing a user interface on the RIP that allows a user to create, modify, and/or delete images and associated spot color pattern[[s]] names in the database; ~~and wherein the user associates a spot color pattern name with an image.~~

14. (Currently Amended) The process of Claim 8, wherein the ~~RIP~~ process further comprises:

receiving a user's print job at the RIP, the print job comprising the first spot color pattern name;

~~scanning the print job for a spot color pattern name;~~

~~providing means for~~ adding page description language (PDL) code to the print job to paint for painting the first image spot color pattern where required in the print job;

~~wherein the spot color pattern simulates any of the user's specialized print media, added materials, or specialized inks;~~

executing the ~~page description language~~ PDL code in the print job; ~~and~~

extracting the first image from the database; and

sending painting the first image in the print job ~~to a printer.~~

15. (Cancelled).

16. (Currently Amended) The process of Claim 14, further comprising[[:]] adding additional ~~page description language~~ PDL code to the print job to perform other

tasks that include, ~~but are not limited to,~~ mirroring or four-way mirroring to prevent stitches from appearing in the ~~printout~~ printed output.

17. (Currently Amended) An apparatus ~~for simulating specialized print media, added materials, and/or specialized inks on a plain paper printer in a computer environment,~~ comprising:

a database that comprises an image associated with a spot color pattern name;

a module for receiving a user's print job comprising the spot color pattern name;

~~a module for scanning the print job for a spot color pattern name;~~

means for adding page description language (PDL) code to the print job ~~to paint for painting the image~~ spot color pattern where required in the print job;

~~wherein the spot color pattern simulates any of the user's specialized print media, added materials, or specialized inks;~~

a module for executing the ~~page description language~~ PDL code ~~in the print job;~~

a module for extracting the image from the database; and

a module for ~~sending~~ painting the image in the print job ~~to a printer.~~

18. (Currently Amended) The apparatus of Claim 17, wherein the image ~~spot color pattern~~ is definable by a user.

19. (Currently Amended) The apparatus of Claim 17, further comprising~~[[:]]~~ a module for providing a user interface that allows a user to create, modify and/or delete the image and the spot color pattern~~[[s]]~~ name.

20-22. (Cancelled).

23. (Currently Amended) The apparatus of Claim 17, further comprising~~[[:]]~~ a module for adding additional ~~page description language~~ PDL code to the print job to perform other tasks that include, ~~but are not limited to,~~ mirroring or four-way mirroring to prevent stitches from appearing in the ~~printout~~ printed output.

24. (Currently Amended) A program storage medium readable by a computer, tangibly embodying a program of instructions executable by the computer to perform ~~method steps for simulating specialized print media, added materials, and/or specialized inks on a plain paper printer in a computer environment;~~ a method comprising:

providing a database that comprises an image associated with a spot color pattern name;

receiving a user's print job comprising the spot color pattern name;

scanning the print job for a spot color pattern name;

providing means for adding page description language (PDL) code to the print job to paint for painting the image ~~spot color pattern where required in the print job;~~

wherein the spot color pattern simulates any of the user's specialized print media, added materials, or specialized inks;

executing the page description language PDL code in the print job;

extracting the image from the database; and

sending painting the image in the print job to a printer.

25. (Currently Amended) The ~~method~~ program storage medium of Claim 24, wherein the image ~~spot color pattern~~ is definable by a user.

26. (Currently Amended) The ~~method~~ program storage medium of Claim 24, wherein the method further comprising: comprises providing a user interface that allows a user to create, modify and/or delete the image and the spot color pattern[[s]] name.

27-29. (Cancelled).

30. (Currently Amended) The ~~method~~ program storage medium of Claim 24, wherein the method further comprising: comprises adding additional ~~page description language PDL code to the print job to perform other tasks that include, but are not limited to, mirroring or four-way mirroring to prevent stitches from appearing in the printout~~ printed output.

31. (Currently Amended) A program storage medium readable by a computer, tangibly embodying a program of instructions executable by the computer to perform ~~method steps for simulating specialized print media, added materials, and/or specialized inks on a plain paper printer in a computer environment,~~ a method comprising:

providing a Raster Image Processor (RIP)[[;]] comprising

providing a database of spot color patterns on the RIP;

wherein the database comprises that includes a first image associated with a first spot color pattern name and image pairs, the first image adapted to simulate specialized print media;

wherein receiving a request from an application program for accesses a to the first image spot color pattern by requesting the spot color pattern from the RIP; and

wherein the RIP sends sending the requested spot color pattern first image from the RIP to the application program if the spot color pattern exists in the database;
and

wherein the spot color pattern simulates a user's specialized print media.

32. (Currently Amended) The method program storage medium of Claim 31, ~~wherein the application program stores the spot color pattern~~ further comprising storing the received first image locally and uses it for further references by a user.

33. (Currently Amended) The method program storage medium of Claim 31, wherein the method further comprises:

receiving a request from the application program for a second image associated with a second spot color pattern name;

searching the database for the second spot color pattern name; and

if the second spot color pattern name is not found in the database, sending an image and an associated spot color pattern name from the application program to the RIP for storage in the database as the second image and the second spot color pattern name

an application program queries the RIP to see if the RIP has a particular spot color pattern in its database, and wherein the application program downloads the spot color pattern to the RIP if the RIP does not have the spot color pattern in its database.

34. (Currently Amended) The ~~method~~ program storage medium of Claim 31, wherein ~~the method further comprises an application program downloads~~ downloading any required spot color pattern[[s]] names and associated images from the application program to the RIP when a print job is sent to the RIP to be printed.

35. (Currently Amended) The ~~method~~ program storage medium of Claim 31, wherein the ~~spot color patterns~~ first image in the database ~~are~~ is definable by a user.

36. (Currently Amended) The ~~method~~ program storage medium of Claim 31, wherein ~~the method further comprises further comprising:~~ providing a user interface on the RIP that allows a user to create, modify, and/or delete images and associated spot color pattern[[s]] names in the database; ~~and wherein the user associates a spot color pattern name with an image.~~

37. (Currently Amended) The ~~method~~ program storage medium of Claim 31, wherein the RIP method further comprises:

receiving a user's print job at the RIP, the print job comprising the first spot color pattern name;

~~scanning the print job for a spot color pattern name;~~

~~providing means for adding page description language (PDL) code to the print job to paint~~ for painting the first image ~~spot color pattern where required in the print job;~~

~~wherein the spot color pattern simulates any of the user's specialized print media, added materials, or specialized inks;~~

~~executing the page description language PDL code in the print job; and~~

extracting the first image from the database; and

sending painting the first image in the print job to a printer.

38. (Cancelled).

39. (Currently Amended) The ~~method~~ program storage medium of Claim 37, ~~further comprising:~~ wherein the method further comprises adding additional page description language PDL code to the print job to perform other tasks that include, ~~but~~

~~are not limited to,~~ mirroring or four-way mirroring to prevent stitches from appearing in
~~the printout~~ printed output.

40-60. (Cancelled).